

In the Claims:

The claims are as follows:

1. (Currently amended) A method comprising:

providing at least one of a microdevice and a nanodevice, having at least one circuit feature thereon;

introducing by a method selected from the group consisting of reversible osmotic lysis, electroporation, microfine needle injection, and particle gun injection at least one of said microdevice and said nanodevice into at least one cell, wherein said cell is ~~selected from the group consisting of a red blood cell, a liver cell, a nerve cell, a skin cell, a bone cell, a lymph cell, an endocrine cell, a circulatory cell, and a muscle cell.~~

5. (Previously amended) The method of claim 1, further comprising the step of introducing said at least one cell having said microdevice and nanodevice into a body fluid, wherein said body fluid is selected from the group consisting of a blood, a urine, a cerebral spinal fluid, and a lymph fluid.

6. (Previously amended) The method of claim 1, wherein the step of providing at least one of said microdevice and said nanodevice further comprises providing at least one of said nanodevice and said microdevice selected from the group consisting of a diagnostic system, a transmitter, a receiver, a battery, a transistor, a capacitor, and a detector.

9. (Previously amended) The method of claim 1, further comprising a step of selecting a substrate for at least one of said nanodevice and said microdevice from the group consisting of Gallium Arsenide, silicon, and silicon oxides.

11. (Previously amended) The method of claim 1, wherein the step of providing at least one of said microdevice and said nanodevice, further comprises providing at least one of said nanodevice and said microdevice of a resonance type nanodevice.

12. (Previously amended) The method of claim 1, further comprising detecting at least one of said nanodevice and said microdevice by one of electron paramagnetic resonance (EPR), electron spin resonance (ESR) and nuclear magnetic resonance (NMR).

13. (Previously amended) The method of claim 12, wherein the step of detecting further comprises EPR detecting molecules selected from the group consisting of free radicals, odd electron molecules, transition metal complexes, lanthanide ions and triplet state molecules.

14. (Previously amended) The method of claim 1, further comprising a step of selecting a material for at least one of said nanodevice and said microdevice from the group consisting of phosphorus, arsenic, sulfur, germanium and organic free radicals.

15. (Previously amended) A method comprising:

providing at least one of a nanodevice and a microdevice, having at least one circuit feature thereon;

encapsulating at least one of said microdevice and said nanodevice with non immunogenic polymers, wherein the at least one of said microdevice and said nanodevice is extracellular; and

inserting the at least one of said nanodevice and said microdevice in a blood stream within a body.

16. (Previously amended) The method of claim 15, further comprising a step of pegylating the at least one of said nanodevice and said microdevice.

17. (Previously presented) The method of claim 15, further comprising a step of chemically modifying the at least one of said nanodevice and said microdevice with an organo hydroxyl.

18. (Previously presented) The method of claim 17, further comprising the step of chemically modifying includes selecting said organo hydroxyl group from the group consisting of poly (ethylene glycol), methoxypoly (ethylene glycol).

19. (Previously presented) The method of claim 15, wherein the step of encapsulating further comprising attaching a lipid anchor to at least one of said nanodevice and said microdevice with an organo hydroxyl.